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EXAMINER

HANNETT, JAMES M

ART UNIT

PAPER NUMBER

2612

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/841,068

Applicant(s)

BRONSON, BARRY

Examiner

James M Hannett

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 April 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4, 6-20 is/are rejected.
- 7) ☒ Claim(s) 5 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 April 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>2</u> . | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1: Claims 1, 6-10, 12, 13, 15-18 and 20 are rejected under 35 U.S.C. 102(e) as being anticipated by USPN 6,727,940 Oka et al.

2: As for Claim 1, Oka et al teaches and depicts in Figure (15a) a method of providing images to a remote site, the method comprising: sensing an image of a scene; Column 4, Lines 29-32, Establishing a connection with a remote site; Column 4, Lines 34-41, Transmitting the sensed image to the remote site (1300), Receiving a selection of a sub-image (1501) of the sensed image from the remote site (1300); Column 4, Lines 55-67. Oka et al teaches on Column 5, Lines 1-13 and on Column 2, Lines 28-35 generating the sub-image (1507) from the sensed image (1504); Figure 15B, and transmitting the sub-image to the remote site.

3: In regards to Claim 6, Oka et al teaches on Column 5, Lines 30-45 wherein the step of generating the sub-images comprises: generating a series of frames of the sub-image. Oka et al teaches that the sub-images are frames of video sent to the respective clients. Therefore, since a video signal is sent to the clients this constitutes a series of video frames.

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4: As for Claim 7, Oka et al teaches on Column 5, Lines 30-45 wherein the step of generating the sub-images comprises: generating a series of frames of the sub-image. Oka et al teaches that the sub-images are frames of video sent to the respective clients.

Therefore, since a video signal is sent to the clients this constitutes a series of video frames.

5: In regards to Claim 8, Oka et al teaches on Column 5, Lines 35-40 the step of transmitting the sub-image comprises: transmitting sub-image data on one of a plurality of channels.

6: As for Claim 9, Oka et al teaches on Column 5, Lines 35-40 the step of generating the sub-image comprises: selecting sub-image data from the sensed image; and formatting the sub-image data. The compression of data is viewed by the examiner as formatting the sub-image.

7: In regards to Claim 10, Oka et al teaches and depicts in Figure (15a) a method of providing images to a plurality of remote sites, the method comprising: sensing an image of a scene; Column 4, Lines 29-32, establishing connections with the remote sites; Column 4, Lines 34-41, Transmitting the sensed image to the remote sites (1300); Receiving a selection of a sub-image (1501) from each of the remote sites (1300); Column 4, Lines 55-67. Oka et al teaches on Column 5, Lines 1-13 and on Column 2, Lines 28-35 assigning each of the remote sites to a channel; generating the sub-image selected at each remote site; and transmitting the sub-images to their respective remote sites.

8: In regards to Claim 12, Oka et al teaches on Column 5, Lines 30-45 wherein the step of generating the sub-images comprises: generating a series of frames of the sub-

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image. Oka et al teaches that the sub-images are frames of video sent to the respective clients. Therefore, since a video signal is sent to the clients this constitutes a series of video frames.

9: As for Claim 13, Oka et al teaches and depicts in Figure (15a) a method of displaying images at a remote site, the method comprising: establishing a connection with an image access system Column 2, Lines 76-21; receiving a sensed image of a scene to be observed; displaying the sensed image; Column 4, Lines 55-67, selecting a sub-image of the sensed image; Column 5, Lines 35-40. Oka et al teaches receiving a selection of a sub-image (1501) from each of the remote sites (1300); Column 4, Lines 55-67. Oka et al teaches on Column 5, Lines 1-13 and on Column 2, Lines 28-35 assigning each of the remote sites to a channel; generating the sub-image selected at each remote site; and transmitting the sub-images to their respective remote sites.

10: As for Claim 15, Oka et al teaches an image access system comprising: an image sensor for sensing an image (CCD); Column 4, Lines 29-32, and an image processing system operably coupled to the image sensor, wherein the image processing system receives image data from the image sensor, generates sub-images of the sensed image, and transmits sub-images to remote sites upon request by the remote sites; Column 1, Lines 55-60. The image processing system is viewed by the examiner as the image distribution system.

11: In regards to Claim 16, Oka et al teaches on Column 5, Lines 22-45 the image processing system (camera server) comprises: a sensor control (Video image input unit) operably coupled to the image sensor (CCD), wherein the sensor control receives the image data from the image sensor.

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12: As for Claim 17, Oka et al teaches on Column 5, Lines 22-45 the image processing system (Camera server) comprises: an access control operably coupled to the sensor control and in communication with the remote sites, wherein the access control controls access of the remote sites to the image access system, the generation of sub-images, and the transmission of sub-images to the remote sites.

13: In regards to Claim 18, Oka et al teaches on Column 6, Lines 18-22 and on Column 5, Lines 16-4 the image processing system (Camera server) comprises: a processor (CPU) operably coupled to the access control to receive instructions from the access control, wherein the processor (CPU) receives image data from the sensor control and formats image data for transmission to the remote sites.

14: In regards to Claim 20, Column 5, Lines 25-26 the image sensor includes a sensor array (CCD).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

15: Claims 2-4, 11 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over USPN 6,727,940 Oka et al.

16: In regards to Claim 2, Oka et al teaches a video distribution system that distributes selected video signals to several clients on a network. However, Oka et al does

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not teach that the video distribution system can determine whether the remote site is authorized to receive images.

Official notice is taken that it was well known in the art at the time the invention was made for video distribution systems to have software that prohibit non-subscribers to view transmitted video data and to deny access to the video if the client is not a subscriber.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to include software that prohibit non-subscribers to view transmitted video data and to deny access to the video if the client is not a subscriber. In the camera system of Oka et al in order to prohibit non-subscribers to view transmitted video data.

17: As for Claim 3, Oka et al teaches a video distribution system that distributes selected video signals to several clients on a network. However, Oka et al does not teach determining a priority level of the remote site.

Official notice is taken that it was well known in the art at the time the invention was made to allow video distribution systems to assign bandwidth to different users based on the priority level and available bandwidth of the remote clients in order to allow clients with faster connections to receive data at an optimum rate.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to allow the video distribution system of Oka et al to assign bandwidth to different users based on the priority level and available bandwidth of the remote clients in order to allow clients with faster connections to receive data at an optimum rate.

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18: In regards to Claim 4, Oka et al teaches a video distribution system that distributes selected video signals to several clients on a network. However, Oka et al does not teach determining whether a channel is available for transmitting the sub-image to the remote site.

Official notice is taken that it was well know in the art at the time the invention was made for video distribution systems to determine whether the network is available for transmitting the video to the remote site before the data is transmitted in order to prevent bandwidth from being wasted by transmitting erroneous data.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to enable the video distribution system of Oka et al to determine whether the network is available for transmitting the video to the remote site before the data is transmitted in order to prevent bandwidth from being wasted by transmitting erroneous data.

19: As for Claim 11, Oka et al teaches a video distribution system that distributes selected video signals to several clients on a network. However, Oka et al does not teach determining whether a channel is available for transmitting the sub-image to the remote site.

Official notice is taken that it was well know in the art at the time the invention was made for video distribution systems to determine whether the network is available for transmitting the video to the remote site before the data is transmitted in order to prevent bandwidth from being wasted by transmitting erroneous data.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to enable the video distribution system of Oka et al to

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determine whether the network is available for transmitting the video to the remote site before the data is transmitted in order to prevent bandwidth from being wasted by transmitting erroneous data.

20: In regards to Claim 14, Oka et al further teaches on Column 1, Lines 47-60 the step of selecting a sub-image comprises: panning through the sensed image; and indicating a portion of the sensed image to be displayed.

21: Claim 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over USPN 6,727,940 Oka et al in view of USPN 6,317,127 Daily et al.

22: As for Claim 19, Oka et al teaches the claimed invention as discussed in Claim 18, However, Oka et al does not teach that the image processing system (camera server) comprises: a frame buffer operably coupled to the sensor control and to the processor (CPU), wherein the frame buffer receives image data from the sensor (CCD) and provides image data to the processor (CPU).

Daily et al teaches the use of video distribution system in which sub-images of a larger high-resolution image are sent to multiple users. Daily et al teaches that it is advantageous when designing such a video distribution system to output the selected sub-image to a frame buffer in order to reduce the number of computations and reduce the potential for glitches in the displayed sub-image.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to output the selected sub-image in the system of Oka et al to a frame buffer As taught by Daily et al wherein the frame buffer receives image data from the sensor (CCD) and provides image data to the processor (CPU), in order to

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reduce the number of computations and reduce the potential for glitches in the displayed sub-image.

Allowable Subject Matter

23: Claim 5 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. USPN 6,606,422 Dulin et al teaches the use of a method for processing and receiving images; see Figure 1; USPN 6,567,121 Kuno teaches the use of a camera control system that uses a camera server to allow clients to control a camera.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James M Hannett whose telephone number is 703-305-7880. The examiner can normally be reached on 8:00 am to 5:00 pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wendy Garber can be reached on 703-305-4929. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

James M. Hannett
Examiner
Art Unit 2612

JMH
July 19, 2004


TUAN HO
PRIMARY EXAMINER